

**From:** Avolta News hello@avoltapartners.com  
**Subject:** [VC: €173m] [Exits: 3 deals]  
**Date:** 13 December 2024 at 13:39  
**To:** admin@idvector.com

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## *Google's Quantum Leap: A Step Closer to the Future*

[Google's Willow chip](#) represents a major milestone in the quest for practical quantum computing. With innovations in error correction and scalability, this breakthrough sets the stage for quantum computers to move closer to real-world applications, even as challenges remain.

Quantum computing operates on qubits, which harness quantum phenomena like superposition and entanglement to perform calculations far beyond the reach of classical computers. However, qubits are inherently unstable, making error correction essential for scalability. Google's Willow chip employs logical qubits—clusters of physical qubits working together—to reduce errors exponentially as the number of qubits increases. This achievement, known as crossing the "error correction threshold," has been a critical goal in the field since the 1990s.

The chip's performance is staggering. It solved a benchmark problem in under five minutes, a task that would take classical supercomputers billions of years. While this feat showcases quantum supremacy in controlled environments, the specific benchmark used has limited practical applications. Still, it proves that quantum systems can outperform classical ones under certain conditions, building confidence in the technology's potential.

Google is not alone in the quantum race. IBM, for example, is exploring alternative architectures for error correction, while French startup [Quobly focuses on silicon-based qubits for scalable, cost-efficient solutions](#). Quobly aims to reach a million qubits by 2031, leveraging its partnership with STMicroelectronics to integrate control systems directly onto chips. This diversity of approaches highlights the global push to make quantum computing practical and accessible.

Despite the advancements, [quantum computers capable of breaking modern cryptography are still years away](#). Experts estimate that systems with millions of qubits would be required to crack encryption like RSA. For now, the focus remains on applications such as material discovery, optimization problems, and advanced AI models, areas where quantum computing could deliver unparalleled breakthroughs. Google's progress underscores the transformative potential of quantum computing. While the field is still in its infancy, advancements like Willow demonstrate that the path to scalable, fault-tolerant quantum systems is becoming clearer. As competition intensifies, the coming decade promises to be a defining era for this revolutionary technology.

## VC trends (week 50)

**VC Deals: €173.4m**

#Sector #BusinessModel #Focus

### **Aqemia**

Generative AI platform dedicated to drug discovery

**Founded in:** 2019

**Series:** B extension

**New Money in press:** €36m

**Investors:** Cathay Innovation, Wendel, Bpifrance, Eurazeo, Elaia Partners

#AI #Research #B2B

### **Bsport**

Provider of a software to digitize gyms and wellness centers

**Founded in:** 2018

**Series:** B

**New Money in press:** €30m

**Investors:** Base10, Octopus Ventures, Seed4Soft

#Software #Subscription #B2B

### **Wecasa**

Home services marketplace

**Founded in:** 2016

**Series:** B

**New Money in press:** €10m

**new money in press:** €18m

**Investors:** Serena, blisce/, Isai, iXO Private Equity

#Marketplace #Commission #B2C

## **Biomemory**

DNA-based rewriting and storage of digital data

**Founded in:** 2021

**Series:** A

**New Money in press:** €17m

**Investors:** Crédit Mutuel Innovation, Blast.club, Sorbonne Venture, Adnexus, Next Finance, Paris Business Angels, Prunay Impact, Bpifrance, Accelerem

#Data #Research #B2B

## **DFNS**

Cryptocurrency secured wallet-as-a-service provider

**Founded in:** 2020

**Series:** A

**New Money in press:** €15m

**Investors:** Wintermute Ventures, White Star Capital, SIG, Semantic Ventures, Motive Partners, Motier Ventures

#Crypto & Defi #Subscription #B2C

## **DeepLife**

Artificial intelligence modelling digital twins of cells for drug discovery

**Founded in:** 2019

**Series:** A

**New Money in press:** €9.5m

**Investors:** V3B Capital, Tenebris Group, Biomedef

**Investors:** YZR Capital, Turenne Groupe, Belersdon, Groupe Prunay

#AI #Research #B2B

### **Pathway**

Platform for integrating new data into artificial intelligence systems

**Founded in:** 2020

**Series:** A

**New Money in press:** €9.4m

**Investors:** TQ Ventures, Kadmos Capital, ID4 Ventures, Inovo VC, Market One Capital

#AI #Subscription #B2B

### **Ion-X**

Ion motor for small satellites

**Founded in:** 2021

**Series:** A

**New Money in press:** €9m

**Investors:** EIC Fund, Ile-de-France Réindustrialisation (Innovacom), Expansion, Technofounders

#Aerospace #Selling own inventory #B2B

### **Uptale**

Immersive and experiential virtual reality training

**Founded in:** 2017

**Series:** A

**New Money in press:** €9m

**Investors:** Arkéa Capital, Go Capital, Business Angels

#EdTech #Subscription #B2B

#EdTech #Subscription #B2B

### **Syroco**

Energy efficiency optimization software for commercial vessels

**Founded in:** 2019

**Series:** A

**New Money in press:** €7.5m

**Investors:** Alter Equity, Seventure Partners, Business Angels

#Software #Subscription #B2B

### **Bitstack**

Bitcoin savings solution

**Founded in:** 2021

**Series:** A

**New Money in press:** €5m

**Investors:** Stillmark, Serena, Plug and Play, Y Combinator, Founders Future, Station F

#FinTech #Commission #B2C

### **DashBook**

AI transforming online content into books

**Founded in:** 2021

**Series:** Seed

**New Money in press:** €3m (including €1.0m debt)

**Investors:** Seventure Partners

#Software #Subscription #B2B

## **Yampa**

AI agents for customer relations

**Founded in:** 2024

**Series:** Seed

**New Money in press:** €3m

**Investors:** Partech, Business Angels

#AI #Subscription #B2B

## **Objow**

Provider of a multi-use case engagement platform

**Founded in:** 2019

**Series:** Seed

**New Money in press:** €2m

**Investors:** Edenred Ventures, Crédit Agricole Création, HUB612 Participations, Holnest, Bpifrance

#Software #Subscription #B2B

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## **Exits**

#Sector #BusinessModel #Focus

## **ArtMajeur**

Online art marketplace

→ Acquired by **YourArt**

**Founded in:** 2009

**Deal Type:** Corporate Development

**Acquirer Country:** France

#Marketplace #Commission #B2C

**Corhize**

Crop irrigation management solutions

→ Acquired by **Weenat**

**Founded in:** 2007

**Deal Type:** Corporate Development

**Acquirer Country:** France

#Software #Subscription #B2B

**Wibilong**

Conversational SaaS between brands and users

→ Acquired by **Epsilon (Publicis)**

**Founded in:** 2020

**Deal Type:** Corporate Development

**Acquirer Country:** France

#Software #Subscription #B2B

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## About Avolta

With 130 deals executed for €3bn in total over the last 11 years, Avolta is one of the most active Tech M&A advisors in Europe. Based on this expertise, Avolta's team of 20 people has maximised the value of each and every deal in terms of valuations and overall conditions – this due to its time-tested sectorial methodology and expert negotiating skills.

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*Sources: Dealroom, CFNEWS (also for the equity / non equity ratio), press releases & specialized press.*

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